

Community Advisory Board Meeting
Thursday, July 23, 2015

Meeting began at 6:34 p.m.

Attendees: Larry Brenner, Todd Cumbow, Paul Egeland, Chris Faber, Jim Gebhardt, Leah Goodman, Arlene Hawks, Dean Kilburg, Dan Lobbes, Britta McKenna, Tom Van Cleave

Fermilab staff: Joe Lykken, Tim Meyer, Katie Yurkewicz, Paul Derwent, Andre Salles

Guest: Dick Hawks

New members Larry Brenner and Britta McKenna were introduced to the group.

Chief Operating Officer Tim Meyer gave a lab update. He thanked Dan Lobbes and the Conservation Foundation for the recent Conservation@Work award, and noted that Fermilab has been through a campus master plan process, which included environmental land management. He said the laboratory is looking to do more with the land, possibly including modern farming techniques for the one-third of the property reserved for farming and ecology, and would look for input from the Board.

Meyer said Fermilab's next 50 years will be dedicated to neutrino research. Fermilab will host an international project – LBNF/DUNE – which Meyer said would do for neutrino physics what CERN has done for the Higgs boson. The project will involve the international community on a much larger level than ever before.

LBNF/DUNE recently underwent a CD-1 refresh review, in which 24 “frenemies” examine the proposal for the project. It was a challenging review, Meyer said, and the project passed with flying colors. It was an endorsement and validation via the federal process of everything lab management has been talking about, Meyer said.

Chris Mossey has been named deputy director for LBNF. A former Navy rear admiral, Mossey has done construction in every country, Meyer said, and is coming to Fermilab because he likes the science. Mike Headley has been hired for the South Dakota side of the LBNF project. Mossey and Headley are “two seasoned experts and good communicators,” Meyer said.

Finally, Meyer mentioned the recent public hearings for the LBNF environmental assessment, which were successful. The U.S. Department of Energy received 30 comments total from meetings in South Dakota and Illinois, questions Meyer described as “straightforward and appropriate.”

Arlene Hawks asked about farm to fork education as a possible part of Fermilab's environmental management. Her husband Dick Hawks said he attends the Fermilab

farmers picnic each year, and sentiments toward the lab are positive. He called the farm families a great resource and said they would do anything to help.

Paul Derwent of Fermilab's Accelerator Division spoke about the PIP-II project. (See presentation.) Derwent said Fermilab's accelerator complex is the largest in the United States and the second-largest in the world, and a new \$600 million accelerator to feed into the Booster and the Main Injector would make it the foremost facility in the world for high-intensity physics. "It's the best in the world now, and it will become even better," Derwent said.

Dan Lobbes asked about possible accelerator competition from India, and Derwent said that India is a significant partner in DUNE and the accelerators they want to build would not compete with it. Tom Van Cleave asked about China and Japan, and whether they would be contributing to Fermilab's neutrino research. Deputy Director Joe Lykken said Japan has its own projects, like the International Linear Collider, on the table, though Fermilab continues to talk with them, and China is not at the same level of high-energy physics.

Katie Yurkewicz, head of the Office of Communication, polled the group about the upcoming 50th anniversary of the laboratory. Fermilab plans a year-long celebration, with a committee working on prioritizing events and talking to stakeholders about what they would like to see as part of the celebration. Yurkewicz asked the Board what people and groups the laboratory should use this event to reach, what events they would like to see, and how the celebration could expand beyond the lab boundaries.

Ideas:

Research which subcontractors were involved over the years and bring them back to celebrate.

Talk to downtown museums (MSI, Sci-Tech) about hosting an exhibit on the lab.

Brand the Arts and Lecture Series and invite high-powered lecturers.

Reach out to Adler Planetarium and the Field Museum.

Connect with IMSA on their anniversary (their 30th in 2016).

Build a 50th anniversary road show, bring to Illinois State Fair and Navy Pier.

Piggyback on existing events.

Billboards and banners in airports.

Build a parade float and enter it in all local parades.

Get on an episode of American Pickers or Dirty Jobs.

Get Nigel Lockyer on Undercover Boss.

Get The Big Bang Theory to devote a joke to Fermilab's 50th.

Create a Hackathon for the future of neutrino research and invite high school and college students.

Andre Salles updated the Board on upcoming events, including the Future of Fermilab event and the Photowalk (both in September). He passed out new visitor's

guides and informed the Board that Fermilab was designated an historic site by the American Physical Society.

Dan Lobbes talked about the Conservation Foundation award, and praised Fermilab for the 2,500 acres of natural area that has been restored and managed.

Todd Cumbow updated the Board on his recent trip to Lead, South Dakota, the future site of the DUNE far detector.

Meeting adjourned at 8:32 p.m.